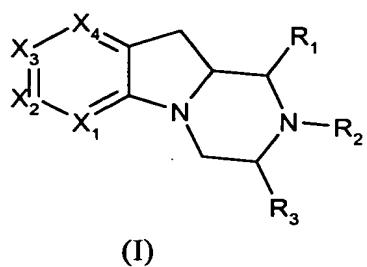


IN THE CLAIMS

C1
1. (Currently Amended) A pharmaceutical composition comprising a chemical compound of formula (I):



wherein:

R₁ to R₃ are independently selected from hydrogen and lower alkyl;

X₁ is ~~selected from N and C-R₄~~;

X₂ is ~~selected from N and C-R₅~~;

X₃ is ~~selected from N and C-R₆~~;

X₄ is ~~selected from N and C-R₇~~;

R₄, R₅ and R₇ are independently selected from hydrogen, halogen, hydroxy, alkyl, aryl, alkoxy, aryloxy, alkoxy, aryloxy, alkylthio, arylthio, alkylsulfoxyl, arylsulfoxyl, alkylsulfonyl, arylsulfonyl, amino, alkylamino, dialkylamino, nitro, cyano, carboalkoxy, carboaryloxy and carboxy; and

R₆ is selected from hydrogen, halogen, alkyl, aryl, aryloxy, alkylthio, arylthio, alkylsulfoxyl, arylsulfoxyl, alkylsulfonyl, arylsulfonyl, amino, alkylamino, dialkylamino and cyano;

with the proviso that R₄ to R₇ are not all selected as hydrogen, or a pharmaceutically acceptable salt, or addition compound thereof; in combination with a pharmaceutically acceptable carrier or excipient.

2. (Currently Amended) A pharmaceutical composition according to claim 1, wherein R₁ is selected from hydrogen and methyl.

C
3. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein R₂ is hydrogen.

4. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein R₃ is selected from hydrogen and methyl.

5 - 8. (Cancelled)

9. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein two of R₄, R₅, R₆ and R₇ are hydrogen.

10. (Currently Amended) A pharmaceutical composition compound according to claim 9, wherein R₄ and R₆ are hydrogen.

11. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein two of R₄, R₅, R₆ and R₇ are independently selected from hydrogen, chlorine, fluorine, trifluoromethyl and bromine.

12. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein three of R₄, R₅, R₆ and R₇ are hydrogen.

13. (Currently Amended) A pharmaceutical composition compound according to claim 12, wherein R₄, R₆ and R₇ are hydrogen.

14. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein R₄ is hydrogen.

15. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein R₅ is halogen.

16. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein R₆ is hydrogen.

17. (Currently Amended) A pharmaceutical composition compound according to claim 1, wherein R₇ is halogen.

18. (Currently Amended) A pharmaceutical composition compound according to claim 1 which is selected from:

C'

- (RS) 7-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
- (R5) 9-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
- (RS) 7-chloro-8-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
- (10aR) 7-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
- (RS) 7-bromo-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
- (3S, 10aR) 8-chloro-2-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole,
- (10aR) 8-chloro-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole and
- (3S, 10aR) 8-chloro-2-methyl-1,2,3,4,10,10a-hexahydropyrazino[1,2-a]indole.

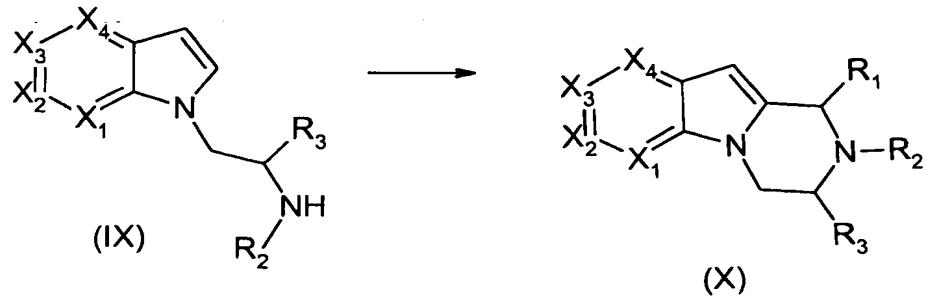
19 – 28. (Cancelled)

29. (Currently Amended) A method of treatment of obesity, comprising administering to a patient in need of such treatment an effective dose of a compound of formula (I) as set out in claim 1, according to claim 21, wherein said disorder is obesity.

30 – 33. (Cancelled)

34. (Previously Amended) A process for the preparation of a compound of formula (I) according to claim 1, said process comprising the steps of:

(i) treating a compound of formula (IX) with an aldehyde of formula R, CHO and then exposing to acid to obtain a compound of formula (X), wherein X₁, X₂, X₃, X₄, R₂ and R₃ are as described in claim 1, and



(ii) reduction of a compound of formula (X).